

JC12 Rec'd PCT/PTC 12 OCT 2005

SEQUENCE LISTING

<110> ITO, Yasuaki
 FUJII, Ryo
 KOBAYASHI, Makoto
 HINUMA, Shuji
 HASHIMOTO, Tadatoshi
 TANAKA, Yasuhiro

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<151> 2004-04-23

<150> JP 2003-122464

<151> 2003-04-25

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Leu	Ile	Leu	Val	Tyr	Leu	Ile	Ile	Phe	Val	Met	Gly	Leu	Leu	Gly	Asn
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Gln	Lys	Glu	Val	Thr	Asp	His	Met	Val	Ser	Leu	Ala	Cys	Ser	Asp	Ile
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Leu	Val	Phe	Leu	Ile	Gly	Met	Pro	Met	Glu	Phe	Tyr	Ser	Ile	Ile	Trp
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Asn	Pro	Leu	Thr	Thr	Ser	Ser	Tyr	Thr	Leu	Ser	Cys	Lys	Leu	His	Thr
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Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Thr
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Glu	Tyr	Pro	Leu	Val	Asn	Val	Pro	Ser	His	Arg	Gly	Leu	Thr	Cys	Asn
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Arg	Ser	Ser	Thr	Arg	His	His	Glu	Gln	Pro	Glu	Thr	Ser	Asn	Met	Ser
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Ile	Cys	Thr	Asn	Leu	Ser	Ser	Arg	Trp	Thr	Val	Phe	Gln	Ser	Ser	Ile

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Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser				240
	245		250	255
Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu				
	260		265	270
Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile				
	275		280	285
Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile				
	290		295	300
Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg				
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Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser				
	325		330	335
Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg				
	340		345	350
Arg Val Phe Val Gln Val Leu Cys Cys Arg Leu Ser Leu Gln His Ala				
	355		360	365
Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser				
	370		375	380
Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser				
385		390		395
Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu				
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          35              40              45
Ser Val Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
          50              55              60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
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Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
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Leu	Ser	Phe	Glu	Arg	Tyr	Ile	Ala	Ile	Cys	His	Pro	Phe	Lys	Tyr	Lys
	130					135					140				
Ala	Val	Ser	Gly	Pro	Arg	Gln	Val	Lys	Leu	Leu	Ile	Gly	Phe	Val	Trp
145					150					155					160
Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Ile
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Glu	Tyr	Pro	Leu	Val	Asn	Val	Pro	Thr	His	Lys	Gly	Leu	Asn	Cys	Asn
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Leu	Ser	Arg	Thr	Arg	His	His	Asp	Glu	Pro	Gly	Asn	Ser	Asn	Met	Ser
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Phe	Gly	Ala	Phe	Ala	Val	Tyr	Leu	Val	Val	Leu	Ala	Ser	Val	Ala	Phe
225					230					235					240
Met	Cys	Trp	Asn	Met	Met	Lys	Val	Leu	Met	Lys	Ser	Lys	Gln	Gly	Thr
				245					250						255
Leu	Ala	Gly	Thr	Gly	Pro	Gln	Leu	Gln	Leu	Arg	Lys	Ser	Glu	Ser	Glu
			260					265					270		
Glu	Ser	Arg	Thr	Ala	Arg	Arg	Gln	Thr	Ile	Ile	Phe	Leu	Arg	Leu	Ile
		275					280						285		
Val	Val	Thr	Leu	Ala	Val	Cys	Trp	Met	Pro	Asn	Gln	Ile	Arg	Arg	Ile
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Ala	Tyr	Met	Ile	Leu	Leu	Pro	Phe	Ser	Asp	Thr	Phe	Phe	Tyr	Leu	Ser
				325					330						335
Ser	Val	Val	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Ser	Ser	Gln	Gln	Phe	Arg
			340					345					350		
Lys	Val	Phe	Trp	Gln	Val	Leu	Cys	Cys	Arg	Leu	Thr	Leu	Gln	His	Ala
		355					360						365		
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Asn	Ser	Ser	Ser	Arg	Arg	Thr	Asn	Lys	Val	Phe	Leu	Ser	Thr	Phe	Gln
				405					410						415
Thr	Glu	Ala	Lys	Pro	Gly	Glu	Ala	Lys	Pro	Gln	Pro	Leu	Ser	Pro	Glu
			420					425					430		
Ser	Pro	Gln	Thr	Gly	Ser	Glu	Thr	Lys	Pro	Ala	Gly	Ser	Thr	Pro	Glu
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<212> PRT

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			20					25					30		
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			35				40					45			
Ser	Val	Thr	Ile	Arg	Val	Thr	Gln	Val	Leu	Gln	Lys	Lys	Gly	Tyr	Leu
			50			55					60				
Gln	Lys	Glu	Val	Thr	Asp	His	Met	Ile	Ser	Leu	Ala	Cys	Ser	Asp	Ile
			65		70				75					80	
Leu	Val	Phe	Leu	Ile	Gly	Met	Pro	Met	Glu	Phe	Tyr	Ser	Ile	Ile	Trp
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Asn	Pro	Leu	Thr	Pro	Ser	Tyr	Ala	Leu	Ser	Cys	Lys	Leu	His	Thr	
			100				105					110			
Phe	Leu	Phe	Glu	Thr	Cys	Ser	Tyr	Ala	Thr	Leu	Leu	His	Val	Leu	Thr
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Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Ile
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Glu	Tyr	Pro	Leu	Ala	Asn	Val	Pro	Thr	His	Lys	Gly	Leu	Asn	Cys	Asn
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Leu	Ser	Arg	Thr	Arg	His	His	Asp	His	Pro	Gly	Asp	Ser	Asn	Met	Ser
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Ile	Cys	Thr	Asn	Leu	Ser	Ser	Arg	Trp	Glu	Val	Phe	Gln	Ser	Ser	Ile
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Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile						
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Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile						
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Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Lys Ser Tyr Phe Lys						
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Ala Tyr Met Ile Leu Leu Pro Phe Ser Asp Thr Phe Phe Tyr Leu Ser						
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Ser Val Val Asn Pro Leu Leu Tyr Asn Val Ser Ser Gln Gln Phe Arg						
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Lys Val Phe Trp Gln Val Leu Cys Cys Arg Leu Thr Leu Gln His Ala						
	355		360		365	
Asn Gln Glu Lys Gln Gln Arg Ala Tyr Phe Ser Ser Thr Lys Asn Ser						
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Ser Arg Ser Ala Arg Ser Pro Leu Ile Phe Leu Ala Ser Arg Arg Ser						
385	390		395		400	
Asn Ser Ser Ser Arg Arg Thr Asn Lys Val Phe Leu Ser Thr Phe Gln						
	405		410		415	
Ala Glu Ala Lys Pro Leu Glu Gly Glu His Gln Pro Leu Ser Pro Glu						
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